

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Claim 56 is amended to read as follows:

A memory medium comprising program instructions for creating a data base representing a virtual world, wherein the program instructions are executable to implement: receiving a plurality of polygon representations of a plurality of virtual objects including a first virtual object, a second virtual object, and a third virtual object; selecting the first and second virtual objects from said plurality of polygon representations of virtual objects using edges of the virtual objects; grouping the first and second virtual objects into a three-dimensional grouped object represented by at least one of the following: a three-dimensional and rotatable wireframe object, and a three-dimensional and rotatable polygon object; wherein said grouping the first and second virtual objects includes: selecting a first edge of said first virtual object; selecting a second edge of said second virtual object; wherein said three-dimensional grouped object comprises said first and second virtual objects joined with at least a portion of said first edge of said first virtual object contacting at least a portion of said second edge of said second virtual object; assigning a grouping hierarchy for the first and second virtual objects, wherein the second virtual object is assigned as the child of the first virtual object; and

calculating an orientation and position of the child object relative to the first virtual object.

3. Claim 57 is amended to read as follows:

A memory medium comprising program instructions for creating a data base representing a virtual world, wherein the program instructions are executable to implement: receiving a plurality of polygon representations of a plurality of virtual objects including a first virtual object, a second virtual object, and a third virtual object; selecting the first and second virtual objects from said plurality of polygon representations of virtual objects using edges of the virtual objects; grouping the first and second virtual objects into a three-dimensional grouped object represented by at least one of the following: a three-dimensional and rotatable wireframe object, and a three-dimensional and rotatable polygon object; wherein said grouping the first and second virtual objects includes: selecting a first edge of said first virtual object; selecting a second edge of said second virtual object; wherein said three-dimensional grouped object comprises said first and second virtual objects joined at an intersection of the first and second edges; assigning a grouping hierarchy for the first and second virtual objects, wherein the second virtual object is assigned as the child of the first virtual object; and calculating an orientation and position of the child object relative to the first virtual object.

4. Claim 105 is amended to read as follows:

A computer program embodied on a computer-readable medium, wherein the computer program is configured to create a data base representing a virtual world by: receiving a plurality of polygon representations of virtual objects; selecting first and second virtual objects from said plurality of polygon representations of virtual objects; grouping the first and second virtual objects into a hierarchical grouped object, wherein said grouping includes: selecting a first mathematical edge of said first virtual object; selecting a second mathematical edge of said second virtual object; and representing the grouped object by at least one of the following: a three-dimensional and rotatable hierarchical wireframe object, and a three-dimensional and rotatable hierarchical polygon object and wherein the first and second virtual objects intersect, and wherein the grouped object comprises said first and second virtual objects joined with at least a portion of said first edge of said first virtual object contacting at least a portion of said second edge of said second virtual object.

5. Any inquiry concerning this communication should be directed to William M. Treat at telephone number (571) 272-4175.
6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/William M. Treat/

Primary Examiner, Art Unit 2181